Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/22/2020 09:43 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125481	0	2.62	125553	2.60
Blue	F	SSC	125000	124600	-1	1.78	125370	1.83
Blue	E	FITC	15892	15375	-4	2.82	334	20.39
Blue	D	PE	29999	29528	-2	2.01	641	15.20
Blue	B	PerCP-Cy5-5	43732	44077	0	3.76	1183	20.50
Blue	A	PE-Cy7	30845	31205	1	6.23	591	42.10
Red	C	APC	46112	45355	-2	2.45	1600	12.07
Red	A	APC-Cy7	30458	29776	-3	2.35	786	11.49
Violet	B	V450	7918	7498	-6	4.15	428	12.59
Violet	A	V500	32171	30598	-5	3.94	716	10.11

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17380	14.11	629	8	N/A	N/A	Pass
Blue	F	SSC	57376	1.31	568	9	N/A	N/A	Pass
Blue	E	FITC	61	67.07	546	3	0.0201	196	Pass
Blue	D	PE	134	51.57	553	5	0.1551	280	Pass
Blue	B	PerCP-Cy5-5	217	51.74	661	5	0.0091	106	Pass
Blue	A	PE-Cy7	109	104.77	704	6	0.0103	16	Pass
Red	C	APC	384	24.86	585	1	0.0246	130	Pass
Red	A	APC-Cy7	173	28.63	556	0	0.0063	1459	Pass
Violet	B	V450	65	58.83	457	-1	0.0617	2521	Pass
Violet	A	V500	106	33.43	473	-1	0.0256	861	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.14	-31.74	1.04
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.46
Red	16.48	13.60 - 20.40	N/A	N/A	29.42	29.79	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9682

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments